A300-1 set

Optical Fiber Probe 1-Channel, 5 MHz



Short description

The A300-1 set consists of a sensor, which allows for oscilloscopically displaying analog signals under EFT/ESD/RF interference potential free. Disturbed signals can be easily detected. In the device under test the sensor transforms the measured analog signals into optical signals. The optical signals are transmitted via a fiber optical cable to the optical receiver which transforms them into electrical signals. These can be presented with an oscilloscope or can be used for controlling other devices. The system is suitable for monitoring a device under test in an anechoic chamber or for EMC optimizing of hard-and software.
For signal detecting within the device under test several sensor types AS 300 or AS 350 with different measuring ranges are available.

Scope of delivery

1x AE 300, Optical Receiver
1x AS 300, Optical Sensor, Analog ± 10 V DC
1x LWL Ø 2.2 mm 1.5 m, Optical Fiber Single 1.5 m
1x NT FRI EU, Power Supply Unit
1x A300-1 acc, Accessories
1x A300-1 case, System Case
1x Analog m, User Manual

Sales Partner:
ABSOLUTE EMC Llc.
Covering sales in North America
United States, Mexico, & Canada
absolute-emc.com
Phone:703-774-7505
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Technical parameters

Bandwidth	DC ... 5 MHz
Sampling rate	12.5 Msps
Resolution	10 Bit
AE 300 Optical Receiver	
Bandwidth	DC ... 5 MHz
Voltage range - output	±1 V
Optical input: Optical fiber	Ø 2.2 mm
Supply voltage	12 V ... 16 V
Current input	≈ 90 mA
AS 300 Optical Sensor	
Bandwidth	DC ... 5 MHz
Sampling rate	12.5 Msps
Measuring range	± 10 V
Input resistance	100 kΩ
Radiated immunity	> 200 V/m
Supply voltage	4.5 V ... 16 V
Current input	70 mA (4.5 V) 30 mA (16 V)
Optical fibre length	1 ... 20 m

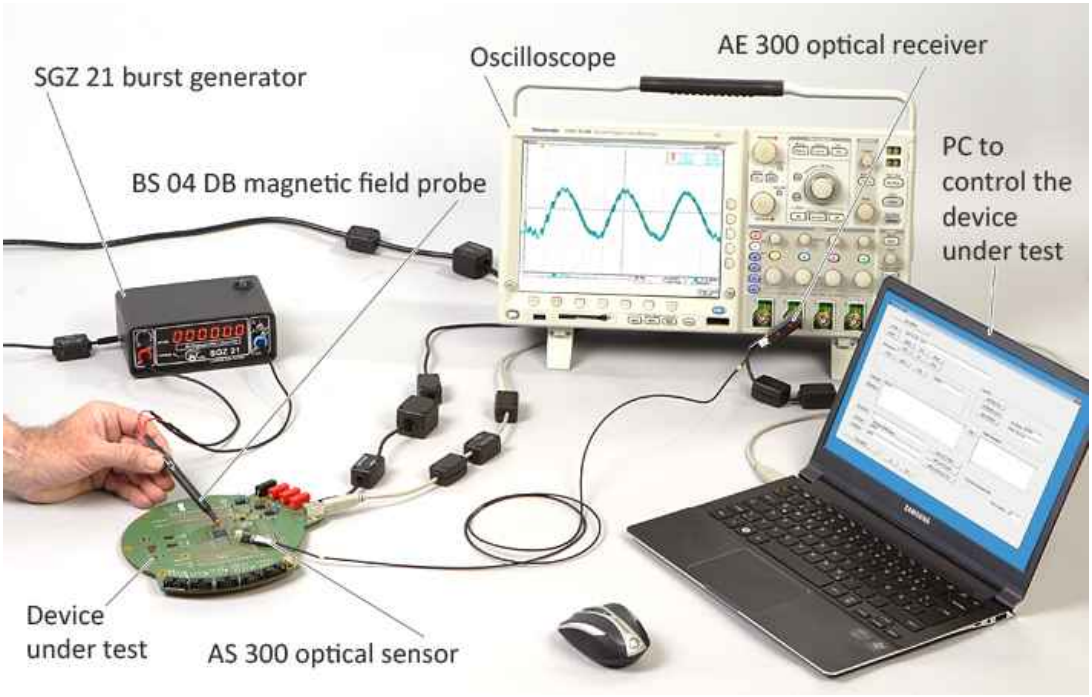
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Application with A300 set



Application with AS 300 optical sensor



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Scope of delivery A300-1 set



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